APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Some Studies on the Flow of a Gas in the Region of Transition through the Velocity of Sound, by I. A. Kibel'. 10 pp UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk SSSR, Ot Tekhnich. Y Nauk, No 3, 1947, pp 253-275.

Sci Tr Center
MT-1109

15,378

Scientific - Physics

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

On the Problem of Analytic Representation of the Deformation Processes of Structures Composed of Visco-Elastic Elements, by M. I. Rozovskiy, 8 pp.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mex No 3, 1947, pp 301-305.

Sci Tr Center NT-350

Scientific - Physics

10,133

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Failure of Castings Caused by Shrinkage Stresses During Crystallization, as Related to Composition, by A. A. Bochvar, Z. A. Sviderskaya.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3, 1947, pp 349-355.

HB 4806

Sci Min/Met

Oct 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Distribution of Microhardness Values Within a Single Crystalline Grain of Metal, by A. A. Bochvar, O. S. Zhadaeva, 6 pp.

RUSSIAN, mo per, Iz Ak Nauk, Otdel Tekh Nauk, 1947, pp 419-424.

A.E.R.E. Tr 11/3/5/350

Scientific - Min/Metals CTS/DEX

7290

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZV AK NAUK TEKH NAUK No 5 May 1947

18 pp

"Multidimensional Electric Models with Amplifiers"

L. I. Guthenmacher

ST-100
IAN-OTN 5/47 - Guthernmacher
SR 12 June 1950
Not published

9T108

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZV AK NAUK TEKH NAUK No 5 May 1947

12 pp

"The Results of the Development and Testing of an Experimental Installation for the Solution of Systems of Differential Equations"

N. V. Korolkov

ST-100
IAN-OTN 5/49
SR 10 July 1950
Project 4573

9T110

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZV AK NAUK TEKH NAUK No 5 May 1947

56 pp

"The Solution of Systems of Linear Equations by Means of L. I. Gutgenmacher's Electric Models"

ST-100
ST-154
IAN-OTN 5/49
Proj 8358
SR 4/27/51

9T109

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Investigations of Carbides in High Speed Steels, by V. I. Arkharov.

FRENCH, Bulletin de L'academie des sciences de l'urss, No 6, 1947.

Brutcher Tr 2018

X
Scientific - Chemistry $5.70

12,851

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Musaev, E. A. and Galpern, G. D.
PLATINIZED CHARCOAL IN ANALYTICAL HYDRO- AND DEHYDROGENATION OF HYDROCARBONS. [1963] 5p (figs omitted) 11refs
Order from OTS, SLA or ETC $1.10 TT-63-20803

Trans. of [Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk, Izvestiya] 1947, no. 7, p. 805-808.

DESCRIPTORS: *Activated carbon, *Platinum catalysts, *Petroleum, Hydrocarbons, Chemical analysis, *Cyclohexanes, *Dehydrogenation, *Benzenes, *Hydrogenation.

(Chemistry--Analytical, TT, v. 11, no. 5)

TT-63-20803

I. Musaev, E. A.
III. Galpern, G. D.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Vasilev, S. F. and Glushnev, V. E.
OXIDATIVE REFORMING OF GASOLINES OF THE TUIMAZIN DEVONIAN PETROLEUM. [1961] [7]p.
Order from OTS or SLA $1.10 62-10308

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1947, no. 7, p. 825-828.

DESCRIPTORS: *Petroleum, *Gasoline, Processing, Fractionation, Oxidation, Hydrocarbons, Decomposition, Desulfurization, Purification, Zinc compounds, Chlorides, Chemical reactions.

(Engineering--Chemical, TT, v. 7, no. 8)

62-10308

I. Vasilev, S. F.
II. Glushnev, V. E.

201322

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Formation of the Micro-Structure of Coke, by
B. A. Onusaitis, N. P. Yur'yevskaya.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1947, pp 881-894.

HB 2195
RAE Tr 733

Sci

Jun 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

The Changes in Colloido-Chemical Structure of Coal During Oxidation, by B. Omsartis and A. I. Krisenfova.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Vol VII, 1947, pp 895-900.

IMSDOC-T-1301

Sci

Jul 58

68,282

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

XXRXXRXXRXXRXXRX
THE COLLOID PROPERTIES AND THE CAKING MECHANISM OF COAL, BY B. A. ONUSAITIS.

RUSSIAN, PER, IZ AK NAUK SSSR, OTDEL TEKH NAUK, NO 7, 1947, PP 907-911.

NLL M.3521

SCI - M/ M

JUN 62

199,118

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Construction of Free Streamline Flows by the Method of Electrical Simulation, by D. A. Efros.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1947, pp 1061-1068.

Navy Tnl

*ONI

Sci - Electronics
Jun 58

SLA 59-14367

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Khasilyev, V. Y.
SOME PROBLEMS OF HEAT SUPPLY TO TOWNS (Nekotoryye Voprosy Teplosnabzheniya Gorodov) tr. by G. N. Gibson. May 53, 20p. (4 tables, 1 ref. omitted) Library communication no. 675; M2169. Order from LC or SLA mi$2.40, ph$3.30 61-13664

Trans. of Akademiya Nauk SSSR. Otdeleniye Tekhnicheskikh Nauk. Izvestiya, 1947, no. 9, p. 1193-1206.

An account is given of a method of determining the regions of rational application of the different types of heat supply sources for towns by which the effect of combination may in all cases be estimated from the efficiency obtained. (Author)

(Engineering--Mechanical, TT, v. 5, no. 7)

61-13664

1. Heat production--Development
2. Urban areas
3. Structures--Heating
I. Khasilyev, V. Y.
II. LC-675
III. DSIR LLU M.2169
IV. Department of Scientific and Industrial Research (Gt. Brit.)

148,720

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZV AKAD NAUK SSSR, OTDEL TEKH NAUK

No 10, 1947, 5¼ pp

"Summary of "orks by Authors in the Field of Aerodynamics"

A.I. Nekrasov

Available @ Sci Museum
50/0394
G. Britain

40T4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZV AKAD NAUK SSSR, OTDEL TEKH NAUK
No 10, 1947, 36 pp

"Technical Sciences in the Academy of Sciences of the USSR"

Proj 1101
Trans 22/49
T.C. 6 Dec 1948
4713.1b

40T2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

The Effectiveness of Supercavitating Propellers, by V. L. Posdyunin, 7 pp.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10, 1947, pp 1271-1274. (IA 9014842

ACSIL Tr 859

Sci - Engineering Aeronautics
Jan 58

57,197

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZV AKAD NAUK SSSR, OTD TEKH NAUK No 11, 1947
3 pp

"Works of the Seminar on Precision Mechanics and Calculating Machine Techniques, Conducted by Academician N.G. Bruyevich"

O. N. Korasakov

Proj 4567
ST-100
S.R. 26 June 1950
52T30

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZV AKAD NAUK SSSR, OTD TEKH NAUK No 11, 1947, 22 pp

"Differentiation in Calculating Machines"

I. M. Rapoport

IAN-OTN-11/47
not published
ST-100

S.R. 25 May 1950

52T46

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

FREIFS, G. S.
KHEIFOAUZ, B. P.

Izvestiya akademii nauk sssr, Otd. Tekh. Nauk, 1947.
No. 12, 6 figures, 3 tables, 2400 words.

Kinetics of Immersion Deposition of Cobalt and Nickel from Aqueous Solutions by Metallic Zinc.

Brutcher Trans, Order No. 2182, $4.20.

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Dependence of the Heat Resistance of Aluminum Alloys Upon Their Composition and Structure, by A. A. Bochvar, 31 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 1947, pp 1369-1384.

AEC Tr 3268

Sci - Min/Met

Sep 58

73,752

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Determination of Composition of Oxidizing Slags in Electric Arc Furnaces, Based on Calculated Data, by A. M. Samarin, A. Yu. Polyakov, L. A. Shvartsman.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1947, pp 1639-1648.

HB 4681

Sci - Min/Met

Oct 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

CHICHKOVSKII, N. P.
CHERNYSHEV, D. M.

Izvestiya akademii nauk sssr, 1948, No. 1, 1 figure, 2200 words.

The Combustibility of Coke.

Brutcher Trans, Order No. 2168, $3.85.

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

RASTEGAEV, M. V.

Izvestiya Akademii Nauk SSSR, Otd. Tekh, Nauk, 1948. No. 1, 9 figures, 2200 words.

Influence of rolling and forging upon mechanical properties of medium carbon steel.

Brutcher, Trans. Order No. 2160, $3.85

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

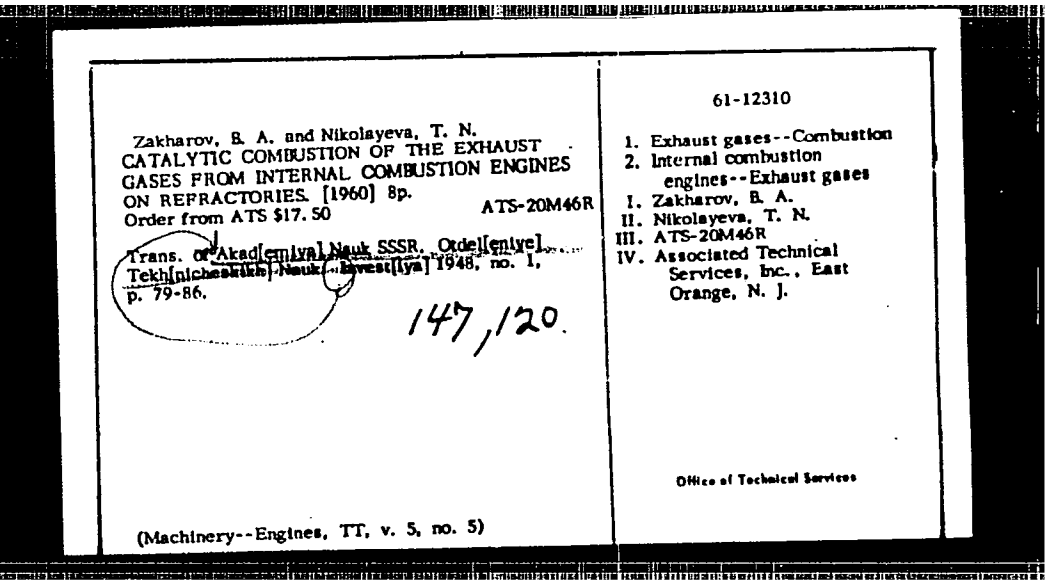
Determination of Stresses in a Circular Ring Under the Action of Concentrated Forces, by M. Z. Narodetskiy.
RUSSIAN, per, Iz Ak Nauk SSSR, OTN, No 1, 1948, pp 7-18.
Dept of Navy
NVY Tr No 4495/NRL 1047

297,487

Sci - Engr

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



Zakharov, B. A. and Nikolayeva, T. N.
CATALYTIC COMBUSTION OF THE EXHAUST GASES FROM INTERNAL COMBUSTION ENGINES ON REFRACTORIES. [1960] 8p.
Order from ATS $17.50 ATS-20M46R

Trans. of Akad[emiya] Nauk SSSR, Otdel[enive] Tekh[nicheskikh] Nauk, Izvest[iya] 1948, no. 1, p. 79-86.

147,120.

(Machinery--Engines, TT, v. 5, no. 5)

61-12310

1. Exhaust gases--Combustion
2. Internal combustion engines--Exhaust gases
I. Zakharov, B. A.
II. Nikolayeva, T. N.
III. ATS-20M46R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

NCH-201 492 Field 11F, 7D

Frents, G. C.
REACTION OF METAL OXIDES AND SULPHIDES WITH METAL CHLORIDES (Reaksii Vzaimodeistviya Okislov i Sulfidor s Khloridami Metallor). Jan 65, 5p, 5refs. RTS-2673.
Order from NLL: 10s as RTS-2673

Trans. of Akademiya Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, Izvestiya, n2 p235-8 1948.
Presented at Colloquium of the A. A. Baikov Institute of Metallurgy of the AN SSSR in Mar 47.

1. Lending Library for Science and Technology, Boston Spa (England)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZV AKAD NAUK SSSR, Otdel Tekh Nauk
No 3, 1948, 4pp

"The Theory of Power Gyroscopic Horizons"

B. V. Bulgakov

Ya. N. Roytenberg

U-419/49
Proj 2195
Midrofilm on file
ST-44

AR 5 Aug 1949

39T17

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Popkov, V. I.
THE THEORY OF BIPOLAR CORONA ON CONDUCTORS (Teoriya Bipolyarnoi Korony na Provodakh) tr. by G. Belkov. 1963, 24p. 10 refs. NRCC Technical Trans. 1074.
Order from NRCC $1.50 NRCC C-4457

Trans. of Akad[emiya] Nauk SSSR, Otdel[enie] Tekh[nicheskikh] Nauk, Izvest[iya] 1948, no. 4, p. 433-448.

DESCRIPTORS: Theory, Electric discharges, *Electrical corona, *Electrical conductance, Electric fields, Gas ionization.

(Physics--Electricity, TT, v. 10, no. 6)

63-17858

I. Popkov, V. I.
II. NRCC TT-1074
III. NRCC C-4457
IV. National Research Council of Canada

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Analytical and Graphical Determination of the Size, and Phase of the Highest Harmonics of the Current and Voltage of the Regulated Transformers With an Infinite Cathode Choke Coil, by Ya. M. Chervonenkis, 14 pp.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1948, pp 449-456.

Sci Trans Center RT-82

Scientific - Physics
Dec 51 CTS ~~Navy tr no completed number~~

Trans. 1, 321/NRL 2-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IAN Otdel Tekh Nauk No 4 (April 1948), pp 545-560

"The Molecular-Kinetic Basis of Hydrodynamic Equations"

author: A. S. Predvoditelev

Project 10601 UT #689 CD A.4003

SR 7-3-52

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Methods of Evaluating the Physico chemical Properties of Liquids, in Particular Their Combustibility, by G. N. Khudyakov.

Full translation.

RUSSIAN, par, Iz Ak Nauk SSSR Otdel Tekh Nauk, No 4, 1948, pp 579-584.

AEC Tr 1280

Scientific - Chemistry

Jun 52 CTS DEK

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZ AK NAUK SSSR, Otdel Tekh Nauk No 6, 22 3/4 pp, Jun 48

"Development of Soviet Research in the Field of the Chemistry and Chemical Technology of Petroleum"

S. R. Sergiyenko

To be done by AMC
Ref Tele - Item 9,
15 Dec 49

D-46

12/49T100

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZ AK NAUK SSSR, Otdel Tekh Nauk No 6, 204 pp, Jun 49

"Work of Soviet Scientists in the Field of the Propagation of Ultrahigh-Frequency Radio Waves"

A. G. Arenberg

Done by RDB
Copy in files

12/49T107

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Calculation of Designs of Machines in Creep, by by Yu. N. Rabotnov, 18 pp.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6, 1948, pp 789, 800.

Sci Trans Center RT 2976

Scientific - Engineering

Feb 56
31,070

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Softening Temperatures of Iron Ores and Sinters, by L. M. Tsylev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 1958, No 6, pp 889-898.

Brutcher 4609

Sci - Min/Met
Jun 59

90,056

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

VINAROV, S. M.

Izvestiya Akademii Nauk, Otd. Tekh. Nauk, 1948, No. 6, pp. 899-906; 6 figures, 2 tables, 3800 words.

Kinetics of Austenite Grain Growth in Steel with Low Boron Content.

Brutcher Trans, Order No. 2207, $ 6.65.

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Heat Transmission From a Heating Surface to a Boiling One-component Liquid at Free Convection, by G. N. Kruzhilin, 20 pp;

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel. Tech Nauk, 1948, pp 967-980.

AEC Tr No 2060

Scientific - Physics Feb 55 CTS

21,232

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Iz AN Nauk SSR, Otdel Tekh Nauk No 8, 1¼ pp, Aug 48

"In the Institute of Machine Studies, Academy of Sciences USSR"

M. N. Buchin

Proj 4563
IAN-OTN-8/48 Buchin ST-100

U-878
RDB-71
ST-100

14 June 1950 12/49T49

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Errors in Adjusting Mechanism Having Spur-Tooth Gears, by O. N. Korsdkov, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, Aug 1948.

CIA/FDD/X-1236

Scientific - Engineering
DEX

10,020

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

LAN, OTKN

9, pp 1354-1410 (1948)

Some Simpler Non-Linear Problems of Consolidation of a Water-Saturated Earth Medium

V. A Florin

See Mus. Lit Trans. # 50/2799
(Trans. C. Lists - # 20 (Nov '50))

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Method of Determining The Tensile Strength of Metals, by G.V. Uzhik.

RUSSIAN, per, Iz Ak Nk SSSR, [redacted], No 10, 1948, pp 1547-1560. 9662369/

ATIC MCL 523/1

Sci - Min/Met
Jun 61

154,939

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

KARNAUKHOV, M. M
MOMOLOV, A. N.

Izvestiya Akademii Nauk SSSR, Otd. Tekh. Nauk, 1948, No. 12, pp. 1845-1855; 8 figures, 6 tables, 3900 words.

Dissolution of hydrogen in liquid iron and alloys of iron with titanium, Columbium, and Tantalum.

Brutcher, Trans. Order No. 2376, $7.75

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Iz AN NAUK SSSR, OTDEL TEKH NAUK No 1 Jan 49

7 pp

"Heat Properties of Binary Copper Alloys"

M. V. Zakharov

in process
AEC 6/2/51

24/49T97

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

SAMARIN, A. M.
POLYAKOV, A. YU.

Izvestiya Akademii Nauk SSSR, otd, tekh. Nauk, 1949, No. 1, pp. 100-113; 4 figures, 6 tables, 4100-word condensed translation.

Brutcher, Trans. Order No. 2329, $6.80

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

On the Solution Mechanism of Carbides in Austenite, by V. I. Arkharov, S. T. Kiselev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otd Tekh Nauk, No 1, 1949, pp 136, 137.

Brutcher Tr 2521

Scientific - Chemistry $1.60

12,852

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Iz AK Nauk (OTN) No. 1, 1949 pp. 144-156

"Self-Criticism and Cosmopolitanism in the Dept. of Technical Sciences"

Proj. 8208

7476.1

SR 120-t 1950

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZ AK NAUK SSSR, Otdel Tekh Nauk" No 4, 6 pp, 1949

"Combusion of a Moving Drop of Liquid Fuel"

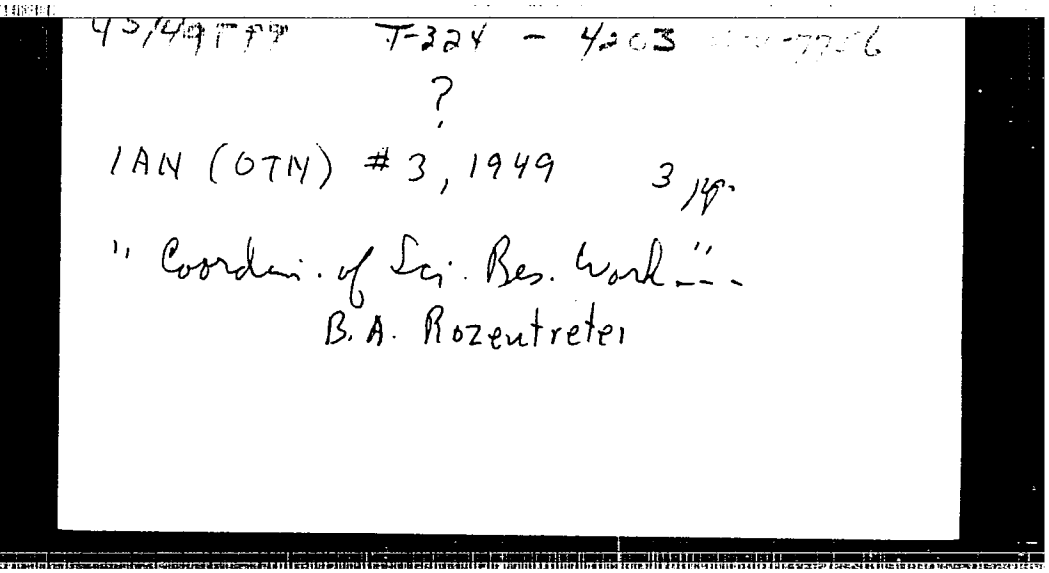
G. N. Khudyakov

Done by Sci Mus Lit
Gt Brit - 50/2057

45/49T105

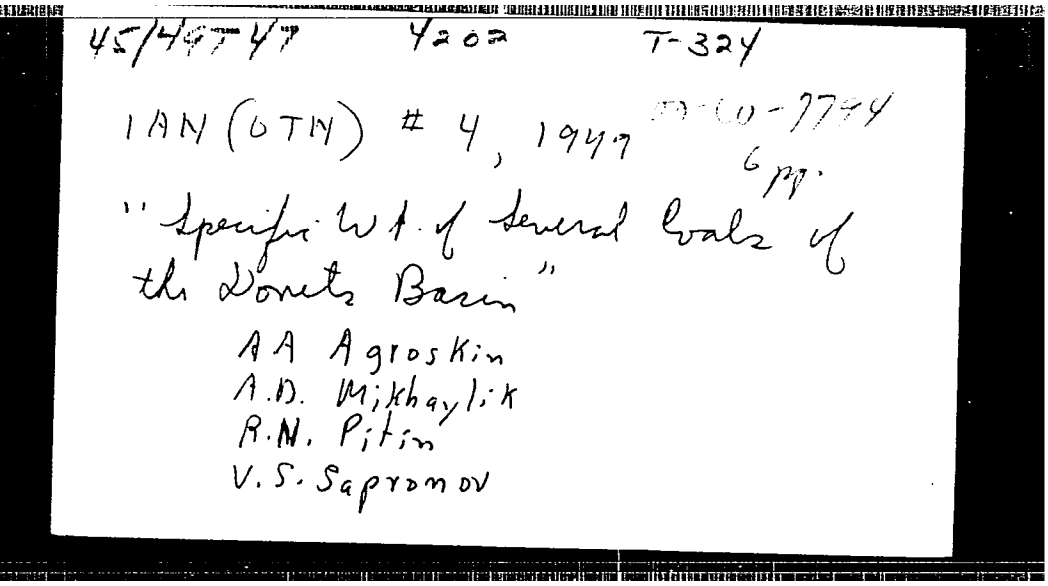
APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



45/49747 4202 T-324

IAN (OTN) # 4, 1947 [illegible] 7754

6 pp.

"Specific Wt. of Several Coals of the Donets Basin"

A A Agroskin
A.D. Mikhaylik
R.N. Pitin
V.S. Sapronov

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

SYSKOV, K. I.

Izvestiya akadem ii nauk, April 1949, No. 4, pp. 514-518; 1 table, 2500 words.

Classification of Properties of Coke Characterizing its Behavior in the Blast Furnace Process.

Brutcher Trans, Order No. 2360, $4.55.

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

KRICHI, S. N.
MENKEL, M. F.

On the Application of the Method of Maximum Liklihood to the Sampling Estimate of Statistical Parameters of River Flow

IA Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1949, 579 - 585.

DSIR/4171/CT

Also Sci Mu 50/0233

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZ AK NAUK SSSR, Otdel Tekh Nauk No 5, 13 pp, 1949

"Papers Published in 1948 by Academicians, Corresponding Members and Other Scientific Collaborators of the Department of Technical Sciences, Academy of Sciences"

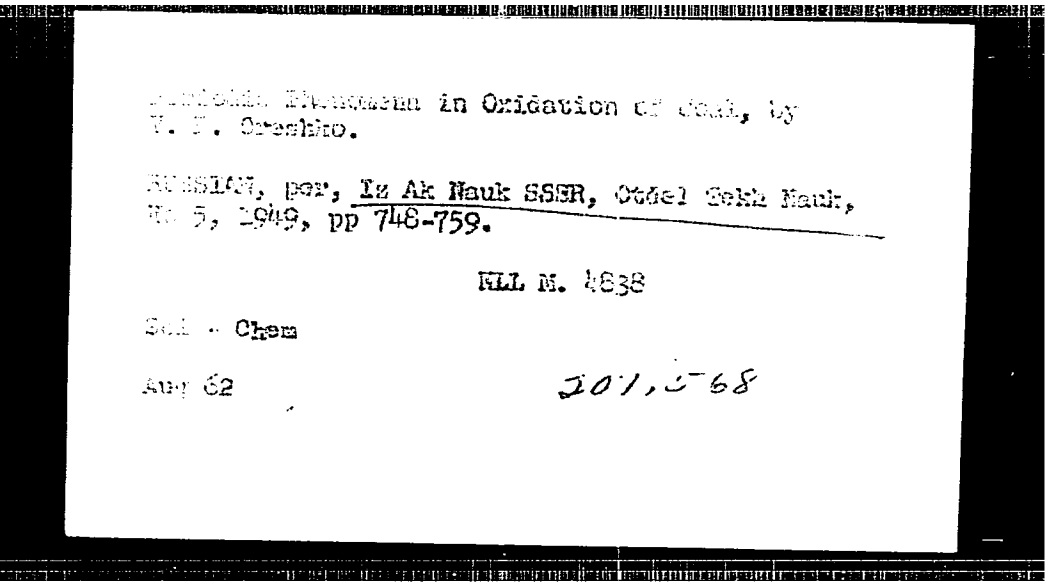
Prof [illegible]

T-306

51/49T5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



Catalytic Mechanism in Oxidation of Coal, by V. V. Orekhov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5, 1949, pp 748-759.

HLL M. 4838

Soil - Chem

Aug 62

201,568

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Oreshko, V.F.
PERIODICITEIT IN HET PROCES DER OXYDATIE VAN STEENKOLEN (Periodicity in the process of oxidation of hard coals), tr. by G.J.M.Fritschy. 18 p. 13 refs. MTWL:472.(Text in Dutch)
Order from OTS or ETC $0.80 61-17020

Trans.of Akademiya Nauk SSSR.Otdelenie Tekhnicheskikh Nauk.Izvestiya (USSR) 1949, no.5, p.748-759.

61-17020

1. Coal combustion
I. Oreshko, V.F.
II. MTWL 472
III. Stichting Moeilijk Toeganke-lijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZ AK NAUK SSSR, Otdel Tekh Nauk No 6, 12 pp, 1949

"Works Published in 1948 by Academicians, Corresponding Members, and Other Scientific Collaborators of the Department of Technical Sciences (Complete List)" 12 pp

Done by AMC
WFAD-F-TS-6989
NAD 45004
AF 203393
Copy in Files

52/49T12

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZ AK NAUK SSSR, Otdel Tekh Nauk

No 6, 3 pp, 1949

"Annotations on Works Published in 1948 and 1949 by Academicians and Corresponding Members of the Academy of Sciences and Other Scientific Collaborators of the Department of Technical Sciences"

Will be done by AMC
See telegram from MCISXD-2
25 Jan 1950

52/49T8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

--	Periocial. Iz Ak Nauk SSSR; Otdel Tekh Nauk; No 6, Jun 1949
Papers Published in 1940 by Academicians, Corresponding Members and Other Scientific Contributors to the Technical Section of the Academy of Sciences of the USSR	Scientific-Academy of Sciences, Academicians Technical. USSR
RUSSIAN Unclassified Aug CIS	AIC F-TS-6989-RE, 38 pp

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZ AK NAUK SSSR, Otdel Tekh Nauk" No 6, 2 pp, 1949

"In the Department of Technical Sciences, Academy of Sciences USSR"

~~IAN OTN 6/49 - In the Dept of Tech Sci~~

SR 23 May 1950 52/49T5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

PRIGOROVSKII, M. I.
PREISS, A. K.

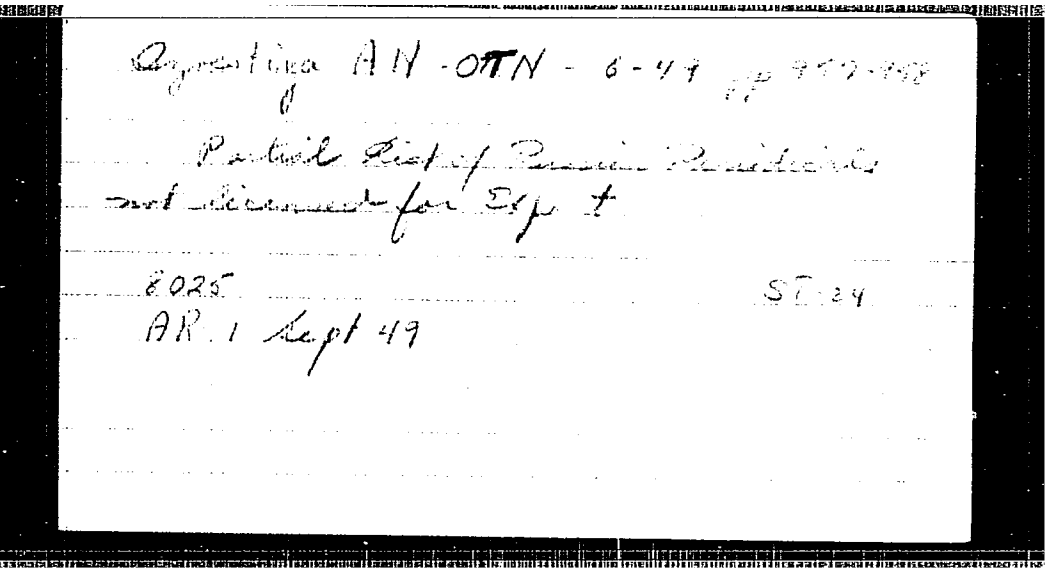
The Investigation of the State of Strain in Transparent three-dimensional Models in a Parallel beam of Polarized Light.

In Ak Nauk SSSR, Otdel Tekh Nauk, Vol 6, 1949, 686 - 700.

Sci Mus Lib 30/2714

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

A New Theory for the Ball Mill and Some of its Applications, by Baronov, N. P.

RUSSIAN, per, Izvestiya Akademii Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, 1949, No 7.

Sci Museum Lib No 50/2712

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZ AK NAUK SSSR, Otdel Tekh Nauk No 7, 8 pp, 1949

"Methane-Rich Shafts of the Kuznetsk Basin"

G.D. Lidin

Proj 4102
T-306

SR 8 Sep 1950 52/49T88

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

IZ AK NAUK SSSR, Otdel Tekh Nauk No 7, 11 pp, 1949

"Certain Problems in the Complete Mechanization of Coal Mining"

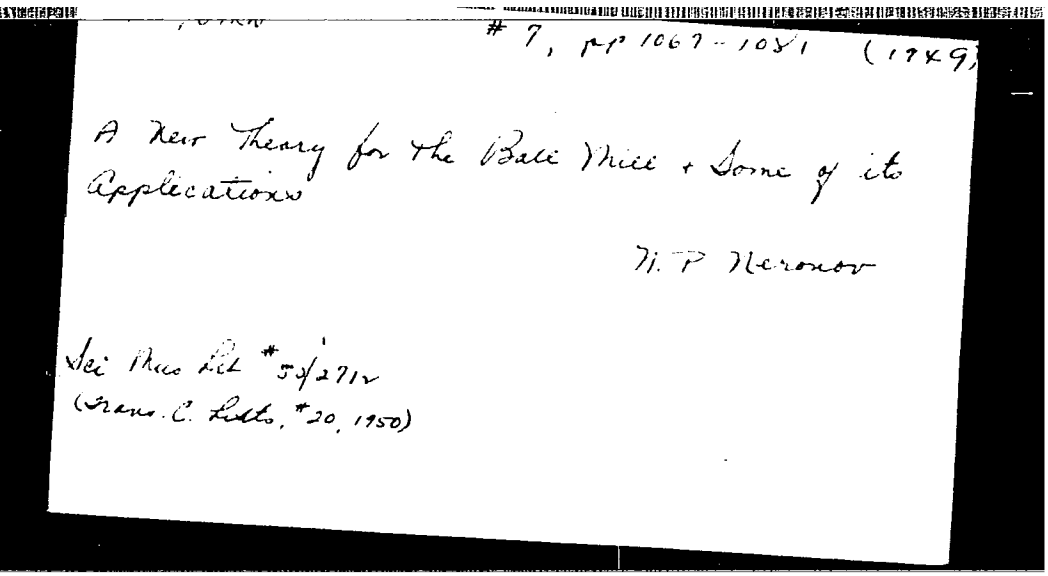
B.A. Rosentreter

Proj 4101
T-306

SR 1 Nov 1950 52/49T86

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



7, pp 1067 - 1081 (1949)

A New Theory for the Ball Mill + Some of its Applications

N. P Heronov

Sci Mach Bl #5/27 v
(Trans. C. Lists, #20, 1950)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

(FDD 22501)

Dowtherm as a Heat Transfer Medium, by B. K. Kozlov, A. V. Chechetkin, 20 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 7, Moscow, Jul 1949, pp 1094-1105.

CIA/FDD U-8702

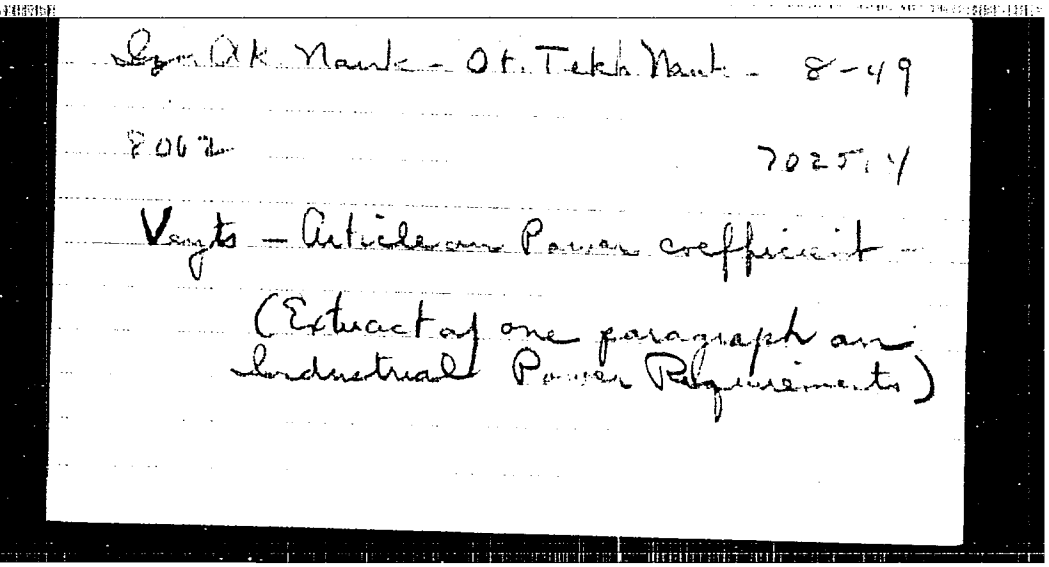
38,937

USSR
Sci - Nuclear physics

Aug 56 CTS/DEX

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



From Oak Nank - Ot. Tekh Nank - 8-49

8062 702574

Vantz - Anticlerance Power coefficient -

(Extract of one paragraph on Industrial Power Requirements)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Kinetics of the Reduction of Copper Oxides by Carbon Monoxide and Hydrogen, by E. P. Tatievskaya, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1949, pp 1235-1241.

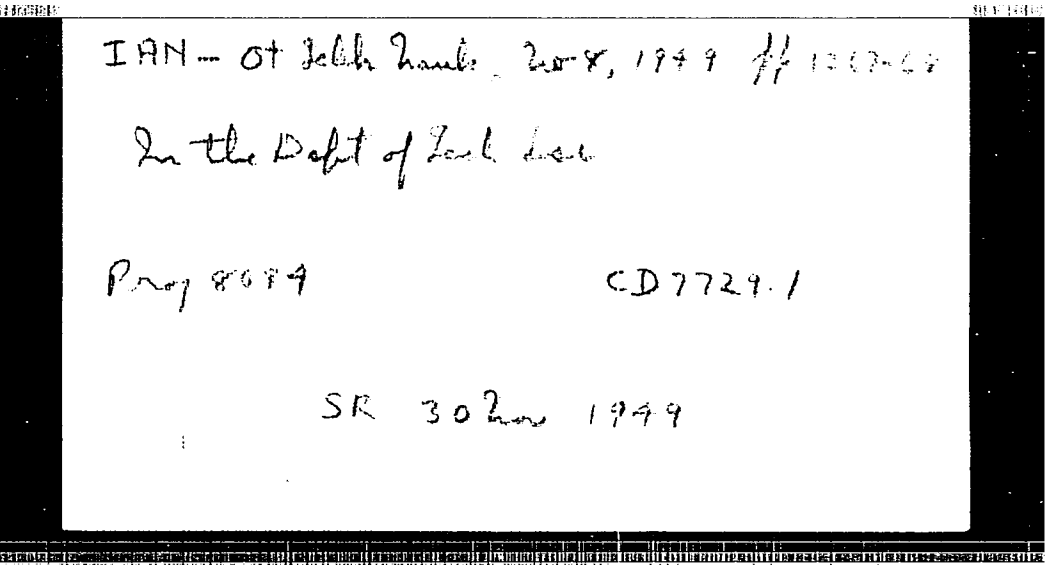
ATS RJ-1172

Sci - Min/Met
Apr 60

114 504

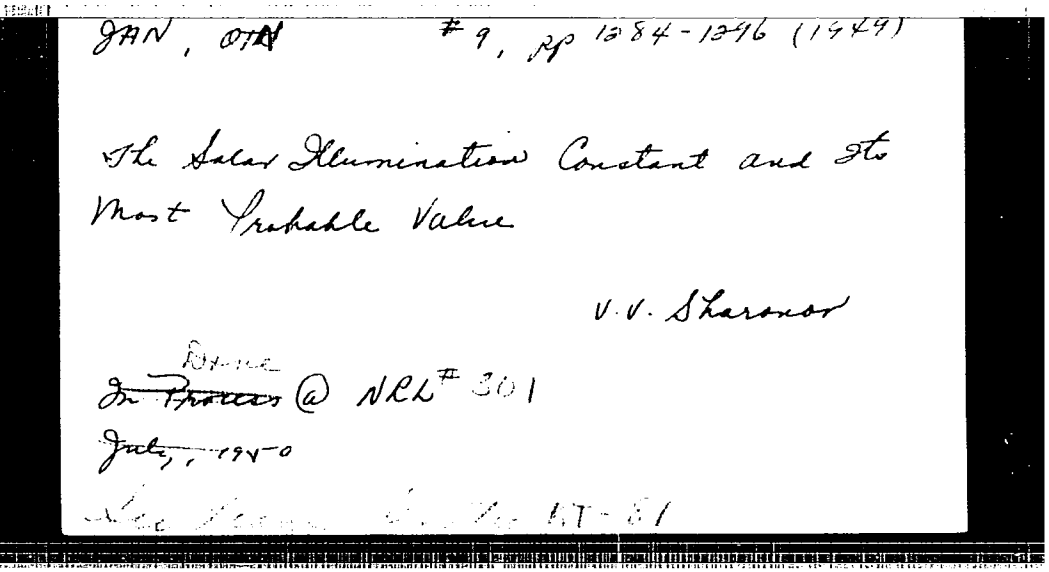
APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



JAN, OTA #9, pp 1284-1296 (1949)

The Solar Illumination Constant and Its Most Probable Value

V. V. Sharonov

Donne
~~In Praccos~~ @ NRL # 301

~~July, 1940~~

Nec Recip. [illegible] No. 17-81

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

The Fundamental Theory of Drying of Finely Porous Bodies by Infrared Rays, by A. V. Lykov. UHCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, SSSR 1949, p 1320-.

DSIR LLU M.1195

(loan)

Sci - Phys
Feb 60

108,390

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

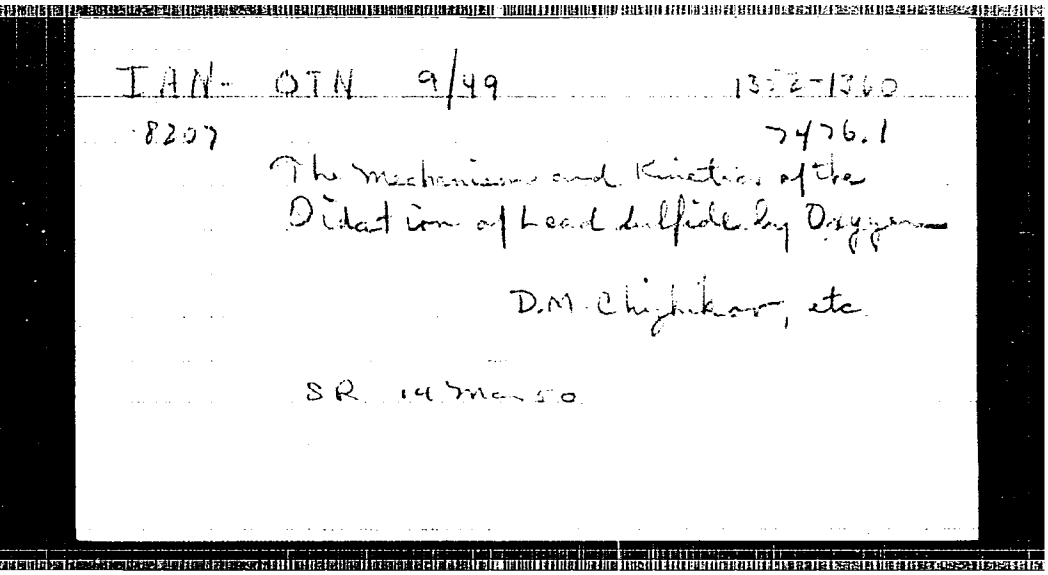
Oxidation of Some Forms of Carbon, by Gholovina, E. S.
MY

RUSSIAN, per, Izvestiya Akademii Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, 1949, No 9, pp 1343-1351.

Sci Museum Lib No 50/2859

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



IAN- OTN 9/49 1352-1360

8207 >476.1

The Mechanism and Kinetics of the Dissolution of Lead Sulfide by Oxygen

D.M. Chizhikov, etc.

SR 14 Mar 50

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Convection in Molten Metals, by L. I. Sokol'skaya,

Full translation.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 9, 1949, pp 1365-1371.

Brutcher Tr No 2457

Jul 53 CTS/DEX

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

SHCHUKIN, P. A.
PEGUSHINA, L. V.

Izvestiya akademii nauk sssr, Sept. 1949, No. 9, pp. 1378-1381; 2 figures, 1 table, 1900 words.

Influence of Lump Size of Coke upon the Process of its Combustion.

Brutcher Trans, Order No. 2513, $3.30.

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Some Simpler Non-Linear Problems of the Consolidation of a Water-Saturated Earth Medium, by Florin, V. A.

RUSSIAN, per, Izvestiya Akademii Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, 1949 (9), 1389-1402.

Sci Museum Lib No 50/2799

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

On the Mechanism of Plasticity in Homogeneous Metal Alloys at High Temperatures, by K. A. Osipov

[illegible] Full translation.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1949, pp 1372-1377.

AEC Tr 1600
Also Sci Mus Lib
No 52/0130
Jun 53 CTS/DEX

Scientific - Minerals/Metals

DSIR LLU (Lond) M.192
address:
DSIR Lending Lib Unit
20 Chesterfield Gardens, London W.1 3082

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Iz AK Nauk (OTN) No.9, 1949
pp. 1415 - 1423

"Self-Criticism and Cosmopolitanism in the Dept. of Technical Sciences"

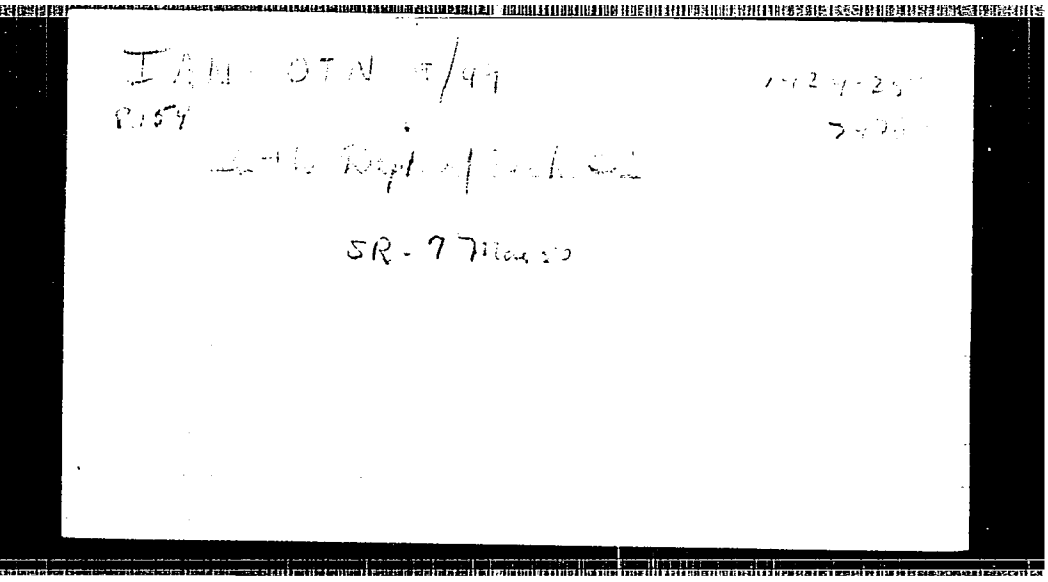
Proj 8208

7476.1

SK 120

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4



APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Heating of a Cylinder by Solar Radiation, by
D. I. Boyarintsev.

RUSSIAN, per, Iz Ak Nauk, Otdel Mat Tekh Nauk,
Vol X, 1949, pp 1469-1480. CIA 9004655

TIL No 4765

Sci - Geophysics 48,479

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

Increased Accuracy in Calculating the Coefficient of Heat Exchange Between a Gas and Particles in Suspension Obtained by the Thermal Boundary Layer Method by L. I. Kudryashev

RUSSIAN, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 11, 1949, pp 1620-1625

Sci Museum Lib No 50/3272 - London

Scientific Also RAE Farnborough No. 368

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4

GUBERGRITS, M. Y.

ASLIB-GB114. Mixing of gases and combustion in the heating system of coke ovens. Izvest. Akad. Nauk SSSR, O.T.N., no.11, p.1626-1641, 1949.

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820056-4